

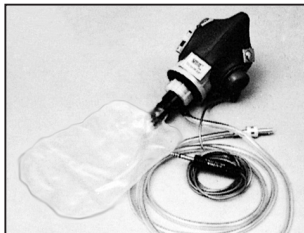


Oxygen and life support

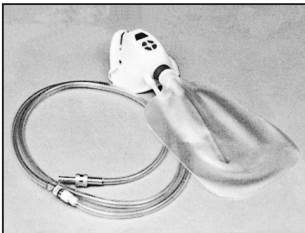
Oxygen and life support



ACCESSORIES



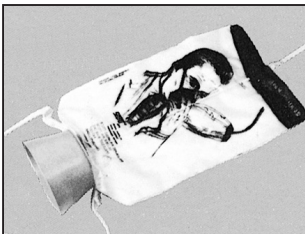
28312 Series • 28316 Series



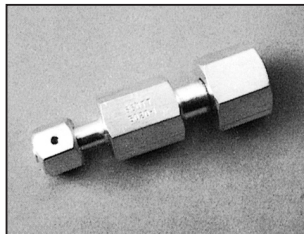
28314 Series



28301 Series



289-601 Series • 289-701 Series
289-801 Series



5020-01

Accessories	Part No.	Description
DUO-SEAL® Mask With Flow Indicator	28312 Series	Natural rubber oral-nasal molded constant flow mask provides long duration comfort. Proven efficiency for up to 34,000 feet.
DUO-SEAL® Mask With Flow Indicator And Microphone	28316 Series	Same as above with carbon microphone.
Sky Mask With Flow Indicator	28314 Series	Soft rubber-like oral-nasal mask with Flow Indicator Assembly, P/N 8540.
Disposable Mask	28301 Series	Inexpensive throw-away rebreather-type mask (indicate plug-in fitting).
Filler Coupling	5020-01	Filler coupling connects unit with standard source of oxygen for refilling.
Airline Passenger Masks	289-601 Series 289-701 Series 289-801 Series	Passenger masks for airline and executive aircraft.
Bracket Assembly	36758-11 Cradle 36758-12 Latch Lock	Lightweight assembly designed to secure 4.25 to 11.0 cu.ft. portable oxygen cylinders. (Others available contact AVOX Systems)



AVOX Systems

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AVOX Systems



N°180508



The AVOX Systems 5500 Series is a high-performance portable that provides a constant flow breathing system for up to 3 passengers or crew members. It is intended to supply supplementary or first aid oxygen.

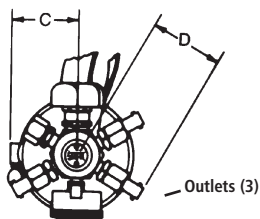
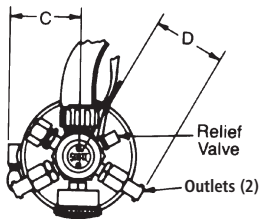
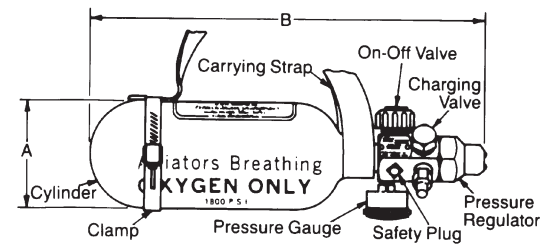
Ideal as a walk-around, the unit is self-contained, lightweight, and easy to operate. A convenient shoulder strap enables the user to have complete mobility. The 5500 can be used with any permanent or disposable rebreather constant flow-type mask. The DOT approved cylinder capacities range from 4.3 to 115.0 cubic feet. Masks are not included with the assembly.



5500 Series
Portable Oxygen System

OUTSTANDING FEATURES

- DOT 3AA1800 rated oxygen cylinders ranging from 4.3 cubic feet to 115.0 cubic feet
- Up to 3 flow outlets
- A relief valve protects the low pressure system from over pressurization
- Fingertip-controlled on-off valve
- Pressure gauge indicating oxygen supply
- High-pressure safety relief device
- Pressure regulator
- Sling-type carrying strap (others available)



Dimensions

Cylinder Capacity cu. ft. (liters)	Weight Charged (Cylinder & Regulator Only)	Dim. A	Dim. B	Dim. C	Outlet Dim. D (Independent of Cylinder Size)
4.25 (120)	5.76 lbs. / 2.61 kg	3-9/16	12.98	2-9/32	2-1/2 (P/N 5009)
7.15 (202)	7.19 lbs. / 3.26 kg	3-9/16	17.25	2-9/32	2-11/16 (P/N 5041)
11.0 (311)	9.50 lbs. / 4.31 kg	3-9/16	22.60	2-9/32	2-9/16 (P/N 5507)
22.0 (623)	15.32 lbs. / 6.95 kg	5-1/4	22.60	3-1/8	2-1/32 (P/N 8572)
38.4 (1087)	21.92 lbs. / 9.94 kg	6-3/4	23.35	3-7/8	2-1/4 (P/N DPB153)
48.3 (1368)	29.72 lbs. / 13.48 kg	6-3/4	27.60	3-7/8	2-1/4 (P/N 802863)
115.0 (3256)	45.90 lbs. / 20.79 kg	9	33.66	—	2.81 (P/N 10006017)
11.0 (311)*	5.42 lbs. / 2.46 kg	3-9/16	22.80	2-9/32	2.22 (P/N 10008298)
22.0 (623)*	8.02 lbs. / 3.64 kg	5-1/8	23.80	2-9/32	
39.9 (1130)*	12.12 lbs. / 5.50 kg	6-11/16	24.40	2-9/32	

*Composite cylinders DOT E-8162-1850 NOTE: All dimensions above are in inches

Average Duration Time (Minutes)

If Constant Flow Outlet Is Used @ 20,000 ft. (609m)			
Model Number	(2 lpm) Outlet STPD**	(3 lpm) Outlet STPD**	(4 lpm) Outlet STPD**
5500B (7.15 cu.ft.) 202 liters NTPD*	78	55	43
5500C (11 cu.ft.) 311 liters NTPD*	120	84	66
5500D (22 cu.ft.) 623 liters NTPD*	240	168	133

*NTPD – Normal Temperature Pressure Dry 14.7 PSIA 70°F • **STPD – Standard Temperature Pressure Dry 14.7 PSIA 32°F

ORDERING INFORMATION

5500 is a basic model number. This chart illustrates the combinations that are available. To order, fill in the necessary building block numbers and letters needed to indicate the complete part number. Note that the “Constant Flow Outlet Setting” column will require two or three letters if two or three outlets are required. For further information regarding cylinders, outlets, masks, etc., see the appropriate catalog sheet.

Basic Number 5500 —

Cylinder And Regulator Assembly			Cylinder Finish		Harness		Constant Flow Outlet Setting		Desired Operating Altitude		Outlet Style	
LTR.	CYL. CAP (cu.ft.)	REGULATOR P/N	NO.	COLOR	LTR.	PART NO.	LTR.	FLOW (lpm)	NO.	FEET	LTR.	PART NO.
A	4.25	5510-10	1	Gray-Green W/Lettering	A	801660-00 Sling	A	.5	0	0	A	5009-AN*
B	7.15	5510-10			B	801658-00 Sling					B	5041-ARO*
C	11.0	5510-10	2	Green (Composite Cylinder Only)	C	801662-00 Sling	B	2	5	5,000	D	5507-PURITAN*
D	22.0	5510-13			D	801660-01 Sling	C	2.5	10	10,000	E	8572-AVOX**
F	38.4	5510-13			E	801660-03 Sling					K	6818-PLUG
G	48.3	5510-13			F	801660-05 Sling	E	3	15	15,000	M	802856-01** (PURITAN TYPE 11011-09)
J*	4.25	5510-15	3	Blue	G	801663-00 Sling	F	4	20	20,000	N	36728-01 (EROS P/N DPB 153**)
L*	7.15	5510-15			M	803177-03/ARO Connector**					P	802863-02 (CESSNA)**
M*	11.0	5510-15	5	Green-Yellow	P	801808-05/AN Connector**	H	8	23	23,000	R	10006017-OUTLET, QUICK DISCONNECT LOCKHEED
N	22.0	5510-17			Q	801807-01/Puritan Connector*	L	4.5	25	25,000	S	10008298 (1A Series Plug)
P*	22.0	5510-19	6	Wakefield Green	R	801808-01/Puritan Connector*	X	0	30	30,000		TYPE**
Q	38.4	5510-17			S	801807-02/AN Connector*	Y	Full Flow				
R	11.0	5510-20	9	Green With Placards	T	801807-03/ARO Connector*						
S*	115.0	5510-22			U	801808-02/AN Connector*						
T**	11.0	803199-04			V	801808-03/ARO Connector*						
V**	39.9	803199-04			W	801808-03/ARO Connector*						
W**	11.0	803199-05*			X	803177-01/AN Connector**						
					Y	None						
						803177-02/ARO Connector*						
*NOTE: When three (3) constant flow outlets are required, use these cylinder and regulator assembly letters.					* Includes Mask, Stowage Bag, and Harness Assembly						* Constant Flow	
** Composite Cylinders					** Includes 2 Masks, Sling and Stowage Bag						** Full Flow	

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL AVAILABLE FROM AVOX

SYSTEMS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT.

THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR. THIS EQUIPMENT SHALL BE USED ONLY WITH AVIATOR’S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.